

CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-28.
- After this Amendment: Claims 1, 2, 6, 8-13, 15-28

Non-Elected, Canceled, or Withdrawn claims: 3-5, 7, 14

Amended claims: 1, 2, 6, 8-13, 15-21, 23

New claims: none

Claims:

1. (Currently Amended) A system, embedded at least in part on a tangible computer readable medium for enabling interoperability between two graphics technologies, comprising:

a first graphics system that comprises an immediate mode graphics technology;

a second graphics system that comprises a compositional mode graphics technology;

a the first graphics system configured to render window content in a first mode, the first graphics system being further configured to reference a first type of window using a token window handle associated with an instance of the first type of window;

a the second graphics system configured to render windows in a second mode, the second graphics system being further configured to reference a

second type of window without a need for the token of using any window handle used by the first graphics system; and

an interoperability component configured to cause a dummy token window handle to be created for an instance of a window of the second type and to use the dummy token window handle if called to perform a graphics related action on the instance of the window of the second type.

2. (Original) The system recited in claim 1, further comprising an application program including a first window and a second window, the first window being of the first type and the second window being of the second type.

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Currently Amended) The system recited in claim 1, wherein the second graphics system is configured to create a mapping from the token dummy window handle to a node in an internal construct used by the second graphics system to manage windows of the second type.

7. (Canceled)

8. (Original) The system recited in claim 1, wherein the second graphics system is further configured to create a render target for receiving rendered window content.

9. (Original) The system recited in claim 8, wherein the render target resides in system memory.

10. (Original) The system recited in claim 8, wherein the render target resides in video memory.

11. (Original) The system recited in claim 8, wherein the render target records rendering commands generated for windows of the second type and that are played back during composition to generate display output.

12. (Currently Amended) A tangible computer-readable storage medium having computer executable components for enabling interoperability between two graphics technologies, comprising:

a first graphics system that comprises an immediate mode graphics technology;

a second graphics system that comprises a compositional mode graphics technology;

an interoperability component that interfaces with an application program, the application program including a first window and a second window, the first window being compatible with a the first graphics system that uses tokens window handles to reference windows, the second window being compatible with a the second graphics system that does not rely on the tokens window handles; and

a mock ~~token~~ window handle associated with the second window, the mock ~~token~~ window handle indicating that the second window is compatible with the second graphics system.

13. (Currently Amended) The tangible computer-readable storage medium recited in claim 12, further comprising a mapping, maintained by the second graphics system, from the mock ~~token~~ window handle to a node in an internal construct used by the second graphics system to manage the second window.

14. (Canceled)

15. (Currently Amended) The tangible computer-readable storage medium recited in claim 12, wherein the second graphics system is further configured to create a render target for receiving rendered window content.

16. (Currently Amended) The tangible computer-readable storage medium recited in claim 15, wherein the render target comprises a software render target.

17. (Currently Amended) The tangible computer-readable storage medium recited in claim 15, wherein the render target comprises a hardware render target.

18. (Currently Amended) The tangible computer-readable storage medium recited in claim 15, wherein the render target records rendering commands generated for the second window and that are played back during composition to generate display output.

19. (Currently Amended) The tangible computer-readable storage medium recited in claim 12, wherein the mock token window handle is associated with a device context associated with the second window.

20. (Currently Amended) The tangible computer-readable storage medium recited in claim 19, wherein the device context comprises a null device context.

21. (Currently Amended) A computer-implemented method for enabling interoperability between two graphics technologies, comprising:

- receiving a request to create a new window;
- determining if the new window is of a type associated with an alternative graphics system that does not require the use of a window handle;
- if so, creating a dummy token window handle for the new window to facilitate interoperability with a conventional graphics system;
- creating a new visual to be created in connection with the new window, the visual being a construct associated with the alternative graphics system; and
- associating the dummy token window handle with the new visual.

22. (Previously Presented) The computer-implemented method recited in claim 21, wherein if the new window is not of the type associated with the alternative graphics system, rendering the window in accordance with the conventional graphics system.

23. (Currently Amended) The computer-implemented method recited in claim 21, further comprising receiving an instruction to render display content to the new window referenced by the dummy token window handle, looking up the new visual based on the association between the dummy token window handle and the new visual, and rendering the display content to the new visual.

24. (Original) The computer-implemented method recited in claim 23, wherein rendering the display content to the new visual further comprises issuing rendering commands to a render target associated with the new visual.

25. (Original) The computer-implemented method recited in claim 24, wherein the render target comprises a software render target.

26. (Original) The computer-implemented method recited in claim 24, wherein the render target comprises a hardware render target.

27. (Original) The computer-implemented method recited in claim 24, wherein the render target records rendering commands generated for the new window that are played back during composition to generate display output.

28. (Original) A computer-readable medium encoded with computer executable instructions for performing the method of claim 21.